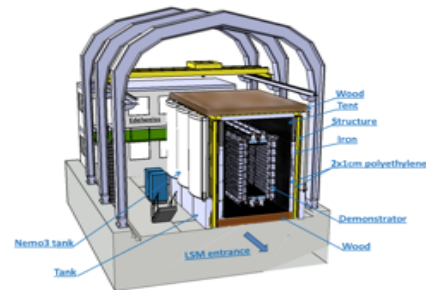
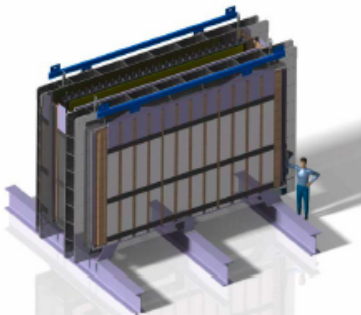
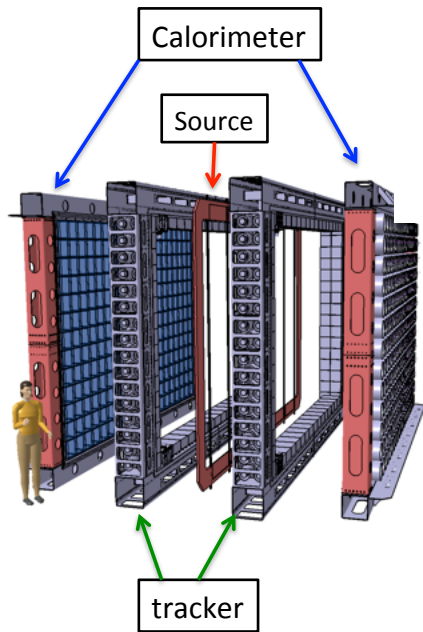


SuperNEMO demonstrator module



- Ultra low background detector
- Modular detector with 3 main components :
 - ☐ Central source foil frame : 7 kg of isotope
 - ☐ Tracking : 2 000 drift chambers
 - ☐ Calorimeter : 712 scintillators+ PMTs
- Shielded by iron (300 tons) and water
- Construction in progress
- Installation and commissioning at Modane Underground Laboratory 2014 – 2015
- Data taking end 2015

No background expected for 2 years of data. 7 kg ^{82}Se $T_{1/2} > 6.6 \cdot 10^{24}$ y $\langle m_\nu \rangle < 0.16 - 0.44$ eV